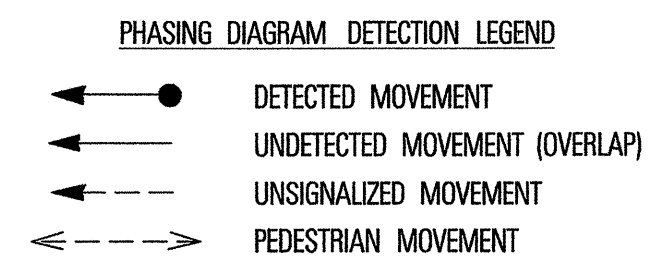
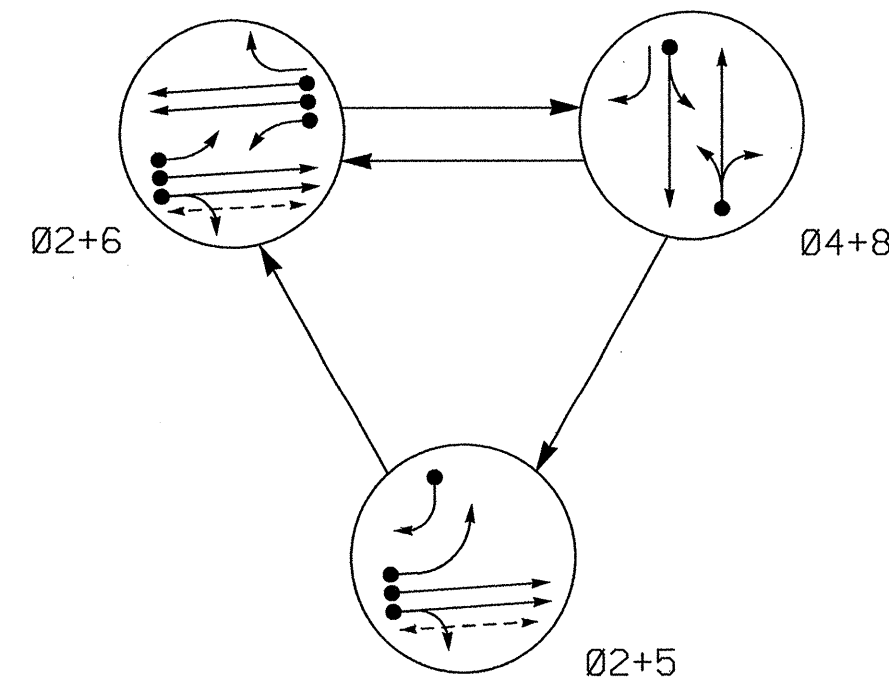
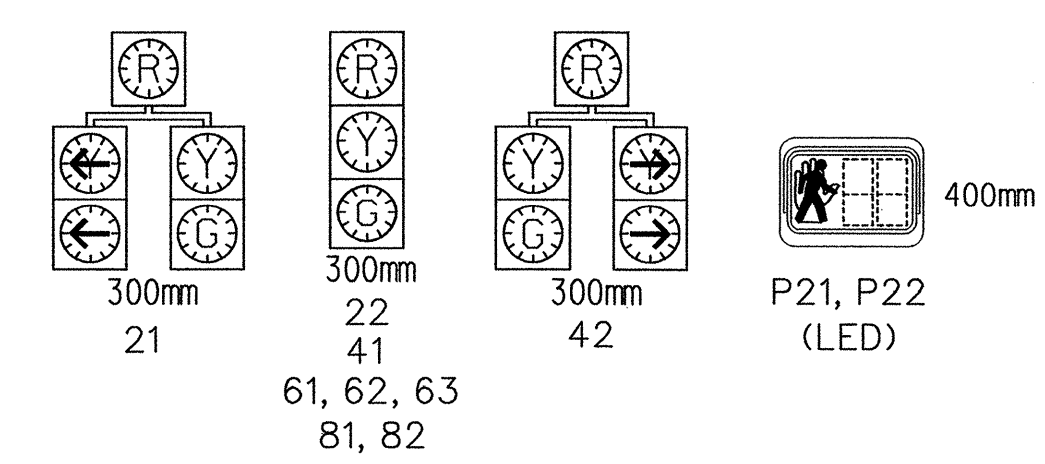


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	Ø2+5	Ø2+6	Ø4+8	Ø2+5
21	G	R	Y	
22	G	G	R	Y
41	R	R	G	R
42	R	R	G	R
61, 62, 63	R	G	R	Y
81, 82	R	R	G	R
P21, P22	W	W	DW	DRK

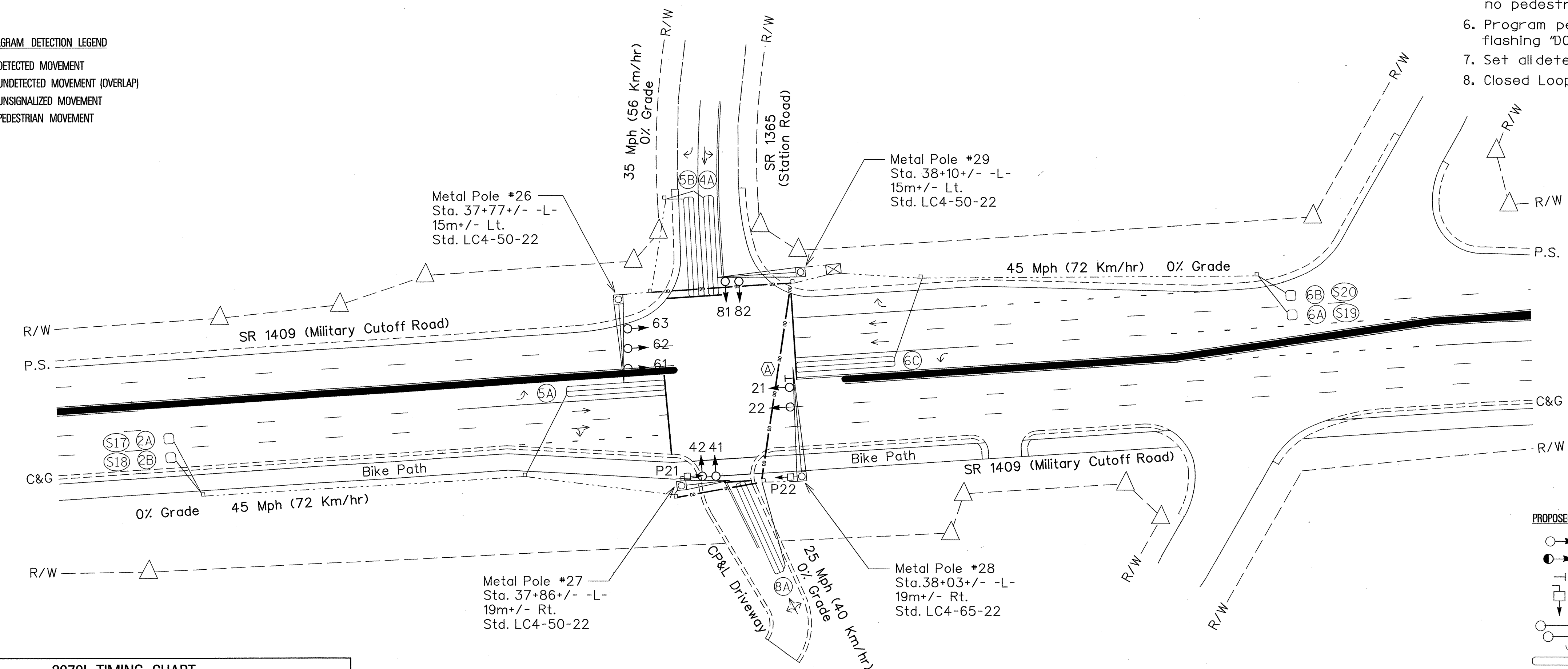
SIGNAL FACE I.D.
○ Denotes L.E.D.



3 Phase
(Fully-Actuated)
(Military Cutoff Road Closed Loop System)

NOTES

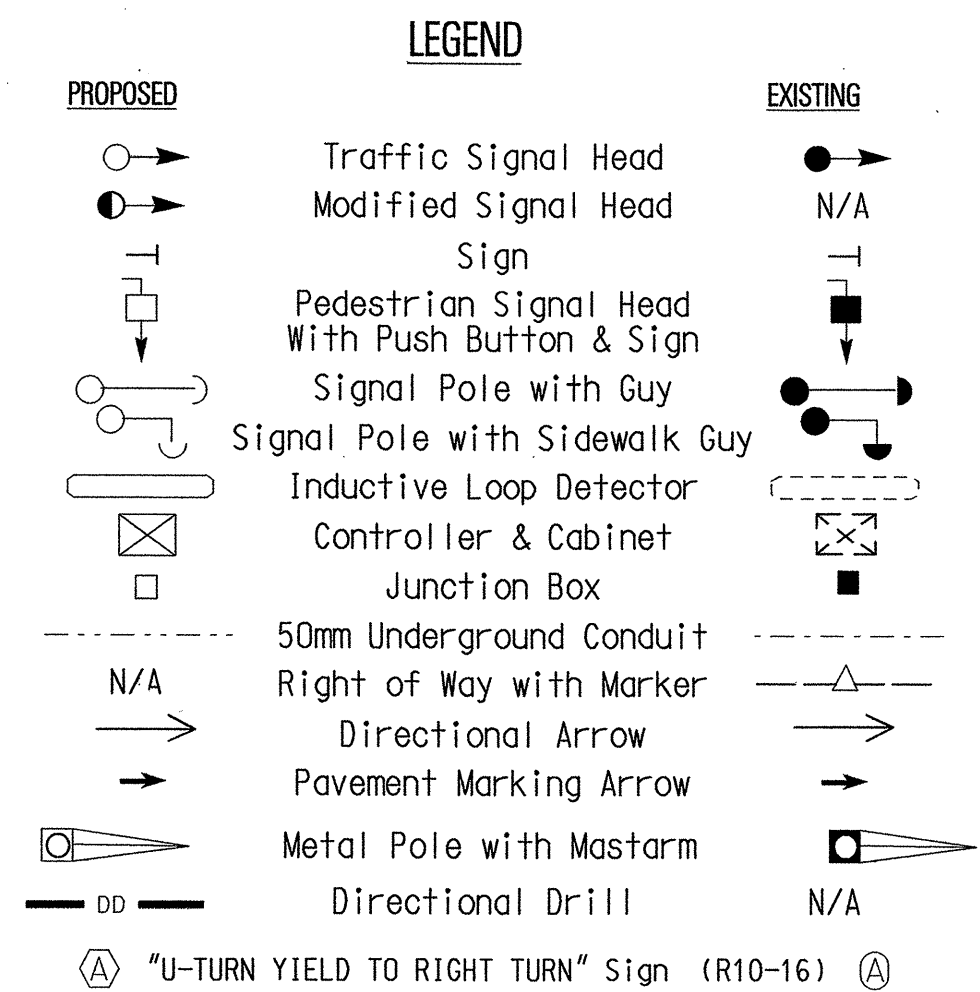
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Omit phase 5 during phase 6 on.
3. Program controller to clear from phase 2+6 to phase 2+5 by progressing through phase 4+8 (See Electrical Details).
4. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
6. Program pedestrian heads to count down the flashing "DON'T WALK" time only.
7. Set all detector units to presence mode.
8. Closed Loop System Data: Controller Asset #0950.



FEATURE	2070L TIMING CHART				
	2	4	5	6	8
Min Green 1 *	12	7	7	12	7
Extension 1 *	6.0	1.0	1.0	6.0	1.0
Max Green 1 *	100	25	15	100	25
Yellow Clearance	4.7	4.0	4.0	4.7	4.0
Red Clearance	1.0	2.5	1.5	1.0	2.5
Walk 1 *	4	-	-	-	-
Don't Walk 1	5	-	-	-	-
Seconds Per Actuation *	1.5	-	-	1.5	-
Max Variable Initial *	34	-	-	34	-
Time Before Reduction *	15	-	-	15	-
Time To Reduce *	30	-	-	30	-
Minimum Gap	3.0	-	-	3.0	-
Recall Mode	MIN RECALL	-	-	MIN RECALL	-
Vehicle Call Memory	YELLOW	-	-	YELLOW	-
Dual Entry	-	ON	-	-	ON
Simultaneous Gap	ON	ON	ON	ON	ON

2070L LOOP & DETECTOR INSTALLATION											
INDUCTIVE LOOPS				DETECTOR PROGRAMMING							
LOOP	SIZE (M)	TURNS	DISTANCE FROM STOPBAR (M)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
2A-S17	1.8X1.8	5	90	Y	2	Y	Y	-	-	-	Y
2B-S18	1.8X1.8	5	90	Y	2	Y	Y	-	-	-	Y
4A	1.8X1.8	2-4-2	0	Y	4	Y	Y	-	-	3	Y
5A	1.8X1.8	2-4-2	0	Y	5	Y	Y	-	-	15	Y
5B	1.8X1.8	2-4-2	0	Y	5	Y	Y	-	-	15	Y
6A-S19	1.8X1.8	5	90	Y	6	Y	Y	-	-	-	Y
6B-S20	1.8X1.8	5	90	Y	6	Y	Y	-	-	-	Y
6C	1.8X1.8	2-4-2	0	Y	6	Y	Y	-	-	3	Y
8A	1.8X1.8	2-4-2	0	Y	8	Y	Y	-	-	10	Y

PLAN QUANTITIES	
Pay Item	Meters
Signal Cable	250
Messenger Cable	0
Lead-in Cable	800



* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

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New Installation

SR 1409 (Military Cutoff Road)
at
SR 1365 (Station Road) and CP&L Driveway

Division 3 New Hanover County Wilmington

Prepared for: *Sepina*

PREPARED BY: H. M. Surti REVIEWED BY: L. M. Eddins
REVISIONS: INIT. DATE

SCALE: 1:500

DATE: 12/11/03

SIG. INVENTORY NO. 03-0950